UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO.   : 6,957,580 B2
APPLICATION NO. : 10/811317
DATED   : October 25, 2005
INVENTOR(S)   : Roger Ekseth et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Col. 10, Line 17 (approx.), delete "σ_o" and insert -- Σ_0 --.

In Col. 10, Line 20, delete "k_1" and insert -- k-1 --.

In Col. 10, Line 55 (approx.), delete "p_1" and insert -- p_I --.

In Col. 10, Line 59, delete "$2p_1/B$" and insert -- $2p_I/B$ --.

In Col. 11, Line 21 (approx.), after "and" delete " $\sigma_{A_L,k}$ " and insert

-- $\sigma_{A_U,k}$ --.

In Col. 11, Line 28, delete "$\sigma_{v,k}$," and insert -- $\sigma_{v,k}$ --.

In Col. 11, Line 31, after "$\sigma_{S,k}{}^2$" insert -- , --.

In Eq. 22 at Col. 12, Line 39 (approx.), delete "$G_k = \tau_{k\text{-}} * \alpha_{A,k}^T * (\Psi_{A,k} + \alpha_{A,k} * \Sigma_{k\text{-}} * \alpha_{A,k})^{-1}$" and insert -- $G_k = \Sigma_{k\text{-}} * \alpha_{A,k}^T * (\Psi_{A,k} + \alpha_{A,k} * \Sigma_{k\text{-}} * \alpha_{A,k}^T)^{-1}$ --.

In Eq. 33 at Col. 14, Line 43 (approx.), delete

"$\sigma_{v,k} = (p_v * \alpha * (T_U - T_L)/\Delta t)^2 + 2\sigma_{det,t}^2/(T_U - T_L)^2$" and insert

-- $\sigma_{v,k}^2 = (p_v * \alpha * (T_U - T_L)/\Delta t)^2 + 2\sigma_{det,t}^2/(T_U - T_L)^2$ --.

In Eq. 52 at Col. 16, Line 60, delete

"$G_k = \Sigma_{k\text{-}} * \alpha_{R,k}^T * (\Psi_{R,k} + \alpha_{R,k} * \Sigma_{k\text{-}} * \alpha_{R,k}^{T)-1}$ " and insert

-- $G_k = \Sigma_{k\text{-}} * \alpha_{R,k}^T * (\Psi_{R,k} + \alpha_{R,k} * \Sigma_{k\text{-}} * \alpha_{R,k}^T)^{-1}$ --.

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Eq. 54 at Col. 16, Line 63 (approx.), delete "$\Sigma_k = \Sigma_{k\text{-}} {}^*G_k * \alpha_{R,k} * \Sigma_{k\text{-}}$" and

insert

-- $\Sigma_k = \Sigma_{k\text{-}} - G_k * \alpha_{R,k} * \Sigma_{k\text{-}}$ --.

In Col. 18, Line 33, Claim 17, delete "claim **16**" and insert -- claim **15** --.

In Col. 18, Line 36 (approx.), Claim 18, delete "claim **16**" and insert

-- claim **15** --.

In Col. 18, Line 38 (approx.), Claim 19, delete "claim **16**" and insert

-- claim **15** --.

Signed and Sealed this

Third Day of October, 2006

JON W. DUDAS
Director of the United States Patent and Trademark Office